DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 99.28

WELDING INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: WIR-020960
Date Inspected: 21-Feb-2011

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 700
OSM Departure Time: 1900
Location: Shanghai

CWI Name: Tian Lei

Inspected CWI report:	☐ Yes	☑ No	☐ N/A	**CWI Present:**	☑ Yes	☐ No	
Electrode to specification:	☑ Yes	☐ No	☐ N/A	**Rod Oven in Use:**	☑ Yes	☐ No	☐ N/A
Qualified Welders:	☑ Yes	☐ No	☐ N/A	**Weld Procedures Followed:**	☑ Yes	☐ No	☐ N/A
Approved Drawings:	☑ Yes	☐ No	☐ N/A	**Verified Joint Fit-up:**	☐ Yes	☑ No	☐ N/A
				Approved WPS:	☑ Yes	☐ No	☐ N/A
				Delayed / Cancelled:	☐ Yes	☑ No	☐ N/A

Bridge No: 34-0006
Component: OBG

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector R. Hernandez was present during the time noted above and conducted observations relative to the work being performed.

The QA Inspector randomly observed the following work in progress:

Bay Number 1

FCAW welding of complete joint penetration welds located on Traveler Rail component identified as 9TR1-002 as identified on weld repair data sheet B-WR-22058 for repaired complete joint penetration welds identified as weld no.(s): 017. Welder is identified as welder no. 053609. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-345-FCAW-2G(2F)-ESAB-repair.

FCAW welding of complete joint penetration welds located on Traveler Rail component identified as 9TR2-001 as identified on weld repair data sheet B-WR-22056 for repaired complete joint penetration welds identified as weld no.(s): 017, 018, & 020. Welder is identified as welder no. 053609. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-345-FCAW-2G(2F)-ESAB-repair.

FCAW welding of complete joint penetration welds located on Traveler Rail component identified as 9TR2-002 as identified on weld repair data sheet B-WR-22055 for repaired complete joint penetration welds identified as weld no.(s): 017 & 008. Welder is identified as welder no. 217185. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-345-FCAW-2G(2F)-ESAB-repair.

FCAW welding of complete joint penetration welds located on Traveler Rail component identified as 9TR1-001 as identified on weld repair data sheet B-WR-22057 for repaired complete joint penetration welds identified as weld no.(s): 017, 018, & 020. Welder is identified as welder no. 217185. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-345-FCAW-2G(2F)-ESAB-repair.

Bay Number 3

SMAW welding of complete joint penetration welds located on Edge Plate for Architectural Housing component identified as EP3017-001 for weld no.(s) 002~007. Welder is identified as welder no. 200113. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-B-P-2114.

SMAW welding of complete joint penetration welds located on Edge Plate for Architectural Housing component identified as EP3017-001 for weld no.(s) 001. Welder is identified as welder no. 058102. The welding variables recorded by ZPMC QC identified as Tian Lei appeared to comply with applicable WPS(s) WPS-B-P-2311-TC-P4.

Bay Number 6

The following components were in the above noted bay: RL3011A, RL3011B, RL3015A, RL3016A, RL3016B, RL3017A, RL3017B, RL3343A, & RL3343B. At the time this inspector was in this bay, this inspector did not observe any work being performed on these components.

Bay Number 8

The following components were in the above noted bay: BK4A-060, BK4A-059, & BK4A-063. At the time this inspector was in this bay, this inspector did not observe any work being performed on these components.

Unless otherwise noted above all items observed on this day appeared to be in general compliance with the applicable contract documents

Summary of Conversations:

Pertinent conversations are included in the body of the report.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 1500-0042-02372, who represents the Office of Structural Materials for your project.

Inspected By:	Hernandez,Rene	Quality Assurance Inspector
Reviewed By:	Hall,Steven	QA Reviewer